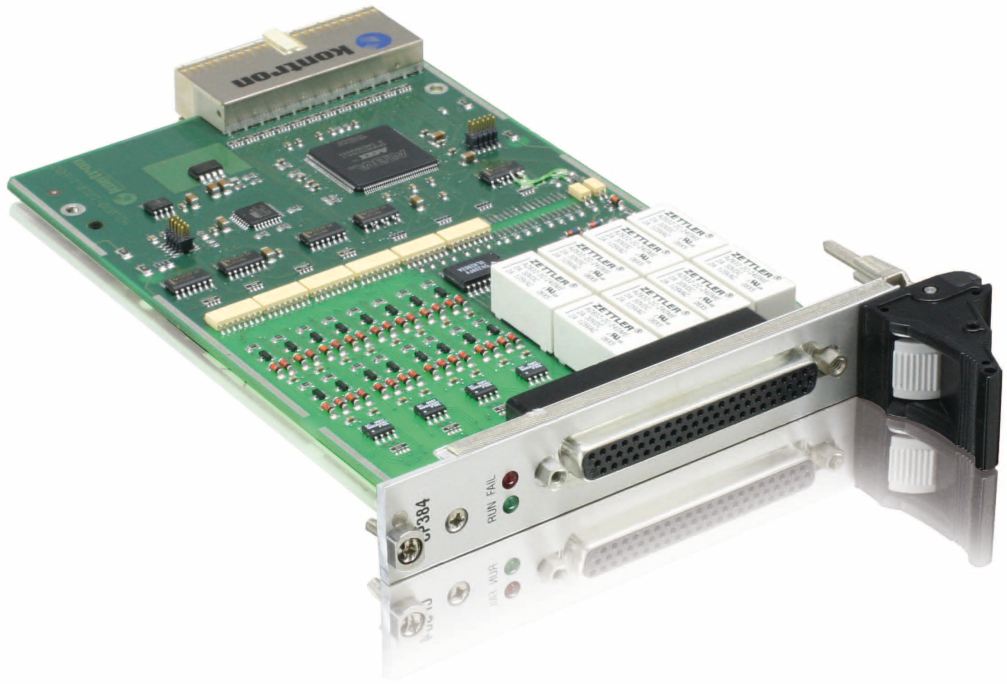
» CP384 «



3U Digital-In/Relay Out Board

» **Act EfficientLy**

Wide range of application fields through input and relay output channels.

» **Stay Safe**

Secure your application by benefiting of effective protection features.

» **Live Comfortably**

Convenient handling through common user interface and plug and play.

Applications demanding both digital input nodes and relay output nodes require not only a cost-effective solution, but also ease of implementation. Still offering all necessary features, the CP384 completely fulfills these tasks.

» Act Efficiently

Providing the possibility of 16 channels digital in and 8 relay channels, in combination with the ability to work under the toughest conditions (-40°C up to +85°C), the CP384 is the right choice for a wide range of application fields.

» Stay Safe

Reliability is indispensable in an application. The CP384 secures the system with quite a few protection features, such as inverse polarity protection on the digital input side. The isolation to the system rounds the security features off.

» Live Comfortably

Easy generation of a CompactPCI I/O application is also very much in demand nowadays. Therefore all I/O nodes are controlled by a unified software API. One node known - all nodes known. Simple connectivity is provided by offering accessories such as a cable, or an adapterbox.

Technical Information

Compact PCI Interface	PCI Target Interface with FPGA, PICMG 2.0 Rev. 3.0 compliant, 32 Bit Address/data/33 MHz, 1 BAR, 64 KB memory space, non-prefetchable, Universal signaling voltage (3.3V), Serial EEPROM interface
Digital Inputs	
Number of Channels	16
Input Voltage Range	Low: -3V..+5V / High: +11V..+30V
Input Current	max. 5mA
Input Protection (ESD)	8 kV
Input Impedance	min.: 1,5 KΩ / max.: 6KΩ @ 30V
Input Filter	10 kHz (edge frequenzy)
Debouncing	Programmable
Miscellaneous	Inverse Polarity Protection, Event Detection, Input Capture and Compare
Digital Outputs	
Number of Channels	8
Output Current max.	Relay contact / max. 2A per channel
Contact Resistance	< 50 mΩ
Switch Delay	ON/OFF: 3 ms / 2ms
Supply	max 30 VDC
Utility Signals	Reset (low active), Diagnose (low active)
Software Support	Windows® 2000, Windows® XP, Windows® XP embedded, VxWorks®, Linux®
Common	
Isolation	2kV to system
Dimensions	100 mm x 160 mm (3U card size)
Temperature Range	0°C to +60°C (standard) / -40°C to +85°C (extended) / -40°C to +115°C (storage)
Climatic Humidity	non-condensing 93% at 40°C acc. to IEC 60068-2-78
Weight	210 g
MTBF	279173 h acc. to MIL-HDBK-217 FN2, Ground Benign, controlled at 30°C

Ordering Information

Article	Order-No.	Description
CP384	29203	16 channels digital in, 8 channels relay out
CP-ADAP-IO	25736	Cable and box for CPCI I/O products, 62 pin DSUB on 62 single channels
KIT-CP384 [1]	33504	Windows®2000 and Windows®XP Board Support Package, CP384 User's Manual
VXW-DRV-CP384	36124	VxWorks®6.x Driver, CP384 User's Manual
LIN-DRV-CP384 [1]	35239	Linux® Driver, CP384 User's Manual

[1] **Free of charge downloadable from the Internet**

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